

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1 - 2 (Cancelled)

Claim 3 (Currently Amended) A computer-implemented method for generating scenarios for subsequent use comprising the following steps:

obtaining at least two Weighting *EFDs*;

accessing data contained in a Foundational Table;

**determining bin weights using an Iterative Proportional Fitting Procedure** that resolve non-convergence conflicts between two said Weighting *EFDs* to **determine bin weights** and said accessed data contained in said Foundational Table;

using said bin weights to determine a first at least one weight for a first at least one row of said Foundational Table;

using said bin weights to determine a second at least one weight for a second at least one row of said Foundational Table; and

providing said first at least one weight, said second at least one weight, said first at least one row of said Foundational Table, said second at least one row of said Foundational Table as at least two scenarios in a form suitable for an entity that subsequently uses said at least two scenarios.

Claim 4 (Currently Amended) A computer-implemented method to share risk between at least two parties comprising the following steps:

accepting an *ac-Distribution*, comprising at least two bins, each said at least two bins having associated probabilities greater than zero, from each of said at least two parties;

accepting a contract quantity from each of said at least two parties;

using said accepted ac-Distributions at least two bins from said at least two parties, a logarithmic numeric transformation, and said accepted contract quantities to determine a *PayOffMatrix* comprising at least two rows and at least two columns;

determining which of said at least two bins subsequently manifests; and

arranging a transfer of consideration based upon said *PayOffMatrix* amongst said at least two parties.